

WHAT IS CLAIMED IS:

1. A first panel for a liquid crystal display, the panel comprising:
an insulating substrate; and
a light diffraction layer formed on an inner surface or an outer surface of
5 the substrate and having a slit pattern or a diffraction lattice for diffracting light
passing through an liquid crystal layer.
2. The panel of claim 1, further comprising a black matrix having a
plurality of openings on pixel areas and red, green, and blue color filters formed
on the pixel areas and arranged in sequence.
- 10 3. The panel of claim 2, wherein the light diffraction layer is disposed
between the black matrix and the red, green, and blue color filters.
4. The panel of claim 1, wherein width and interval of the slit pattern
of the light diffraction layer are uniform in each pixel area.
5. The panel of claim 1, wherein width and interval of the slit pattern
15 of the light diffraction layer have at least two different values in each pixel area.
6. The panel of claim 1, wherein the light diffraction layer comprises
transparent conductive material or transparent insulating material.
7. The panel of claim 1, wherein width and interval of the slit pattern
of the light diffraction layer are equal to or less than seven microns.
- 20 8. A liquid crystal display comprising:
the first panel of any one of claims 1 through 7;
a second panel facing the first panel; and
a liquid crystal layer interposed between the first panel and the second
panel.